



## Per- and Polyfluoroalkyl Substances (PFAS) Update



Zone 7 Water Agency  
Board Meeting  
September 18, 2019



### Outline

- ❖ About PFAS –
  - April 2019 Board report & presentation, PFAS FAQs, and September Board Report – All available on Zone 7 website
- ❖ Today presentation includes -
  - Background overview
    - Regulatory guidelines in California
    - Zone 7 actions taken
  - New regulatory developments
  - PFAS monitoring results

## BACKGROUND – Regulatory Development

- ❖ CA State Water Board issued Notification Levels (NLs) and Response Level (RL) for 2 PFAS (**PFOA & PFOS**) – July '18:
  - PFOA NL > 14 ppt
  - PFOS NL > 13 ppt
  - PFOA + PFOS RL > 70 ppt
- ❖ Monitoring is not required, but recommended.
- ❖ > NL requires notification to governing body & retailers.
- ❖ If possible, State recommends either remove the water source from service or provide treatment if > RL.
- ❖ Customer notification is not required, but recommended.



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## Background - Zone 7 Actions

- ❖ Conducted initial PFAS monitoring & detected some wells > PFOS NL - Nov '18 – Jan '19
- ❖ Immediately implemented procedures to reduce Mocho well water to < RL via blending and/or Reverse Osmosis (RO) membrane filtration – Dec '18
- ❖ Notified Zone 7 Board & retailers – Dec '18
- ❖ Added initial PFAS findings to Zone 7 website - Mar '19
- ❖ Mailed PFAS info to direct customers - Mar '19
- ❖ Completed 1<sup>st</sup> quarterly monitoring per State order - Apr '19
- ❖ Presented PFAS info to Zone 7 Board - Apr '19
- ❖ Track PFAS regulatory & research development - Ongoing

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## NEW REGULATORY DEVELOPMENTS

- ❖ AB 756 signed into Law - Jul '19 (eff. Jan '20):
  - Requires reporting any PFAS detections in annual consumer confidence report
  - Requires direct notification if the impacted source not taken out of service or treated < RL
- ❖ State lowered NLs - Aug '19:
  - PFOA = 14 → 5.1 ppt – 4 wells > NL
  - PFOS = 13 → 6.5 ppt – 7 wells > NL
- ❖ State to revise RLs in near future

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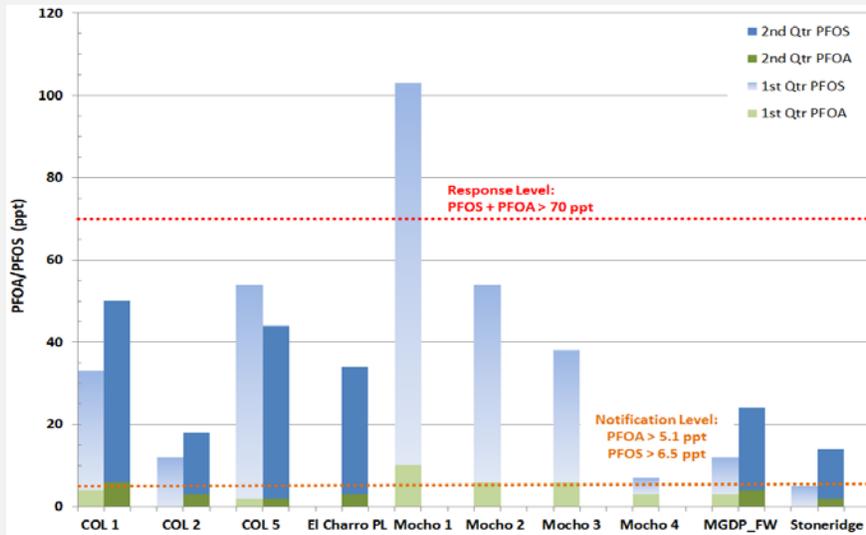
## UPDATE - ADDITIONAL ZONE 7 ACTIONS

- ❖ Completed 1<sup>st</sup> round of GW basin monitoring well sampling – May – Jun '19
- ❖ Added PFAS info in 2018 Consumer Confidence Report & monthly e-newsletter – Jun '19
- ❖ Conducting 2<sup>nd</sup> quarterly monitoring per State order – Jul '19- Present
- ❖ Agenda item includes more details
- ❖ Updated website posting



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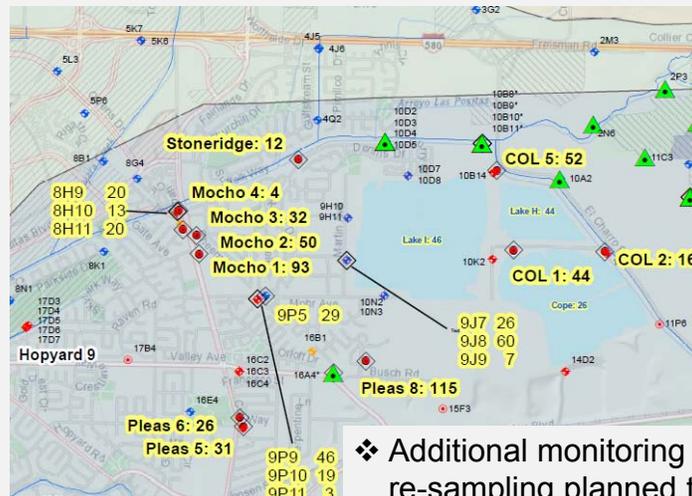
## PFOA + PFOS Quarterly Monitoring Data



- ❖ 7 wells > new PFOS NL
- ❖ 4 wells > new PFOA NL
- ❖ 1 well > PFOA + PFOS RL → Treated < RL (MGDP\_FW)

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## GROUNDWATER BASIN MONITORING



- ❖ PFOS appeared to be widespread in both upper & lower aquifers.

- ❖ Additional monitoring wells & re-sampling planned this fall to verify detections and evaluate potential contamination sources.

**Questions?**